In the Claims:

The listing of claims will replace all prior versions, and listings of the claims in the application.

1-16. (Cancelled)

17. (Currently Amended) A method for stimulating angiogenesis in a subject who has an muscle injury, comprising the step of:

injecting into muscle tissue of the injured muscle of the subject an isolated nucleic acid expression construct; wherein the muscle tissue comprises cells; and

the isolated nucleic acid expression construct comprises:

a myogenic promoter;

a nucleic acid sequence encoding an insulin-like growth factor I ("IGF-I") or functional biological equivalent thereof, wherein the functional biological equivalent has an amino acid sequence that is at least 85% identical to SEQ ID No.:4 and retains the biological function of stimulating angiogenesis in muscle tissue; and

a 3' untranslated region (3'UTR);

wherein the isolated nucleic acid expression construct is substantially free from a viral backbone; and

the myogenic promoter, the nucleic acid sequence encoding IGF-I, and the 3'UTR are operably linked; whereby cells of the muscle tissue of the injured muscle of the subject take up the isolated nucleic acid expression construct and IGF-I or functional biological equivalent thereof is expressed, and angiogenesis is stimulated in the muscle tissue of the injured muscle of the subject.

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- 18. (Canceled) The method of claim 17, wherein the myogenic promoter comprises a nucleic acid sequence that is at least 85% identical to SEQID No.: 3 and retains a myogenic promoter activity.
- (Canceled) The method of claim 17, wherein the isolated nucleic-acid expression construct comprises a nucleic acid sequence encoding IGF-I:
- 20. (Canceled) The method of claim 17, wherein the isolated nucleic acid expression construct comprises a nucleic acid sequence encoding a functional biological equivalent of IGF-I, wherein the functional biological equivalent has an amino acid sequence that is at least 85% identical to SEQ ID NO.: 4 and retains the function of stimulating angiogenesis in muscle tissue of the subject.
- 21. (Currently Amended) The method of claim 17, wherein the 3'UTR comprises a nucleic acid sequence that is at least 85% identical to SEQID No.: 5 from a skeletal alpha actin gene; or at least 85% identical to SEQID No.: 6 from a human growth hormone gene; and retains 3'UTR activity.
- 22. (Previously presented) The method of claim 17, further comprising: mixing the isolated nucleic acid expression construct with a transfection-facilitating system before delivering the isolated nucleic acid expression construct into the muscle tissue of the injured muscle of the subject.
- 23. (Previously Amended) The method of claim 22, wherein the transfection-facilitating system is a liposome, or a cationic lipid.
- 24. (Currently amended) The method of claim 17, wherein the isolated nucleic acid expression construct comprises a nucleic acid sequence that is at least 90% identical to SEQ ID NO.:1, and encodes encoding IGF-I or a functional biological equivalent thereof that has comprising an amino acid sequence of that is at least 85% identical to SEQ ID NO.:4 and retains the function of inducing angiogenesis in muscle tissue.
 - 25. (Canceled).

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- (Previously Amended) The method of claim 17, wherein the isolated nucleic acid expression construct comprises Seq. ID NO. 1.
- 27. (Canceled) The method of claim 17, further comprising mixing the isolated nucleic acid expression construct with an effective concentration of a transfection-facilitating polypeptide before delivering the isolated nucleic acid expression construct into the muscle tissue of the injured muscle of the subject.
- 28. (Original) The method of claim 27, wherein the transfection-facilitating polypeptide comprises a charged polypeptide.
- (Original) The method of claim 27, wherein the transfection-facilitating polypeptide comprises poly-L-glutamate.
 - 30. (Canceled).
- 31. (Original) The method of claim 17, wherein the nucleic acid expression construct is delivered into the tissue of the subject via a single administration.
 - 32. (Canceled).
 - 33. (Original) The method of claim 17, wherein the cells of the tissue are diploid cells.
 - 34-37. (Canceled).
- 38. (Original) The method of claim 17, wherein the subject is a human, a pet animal, a farm animal, a food animal, or a work animal.
 - 39-40. (Canceled).
- 41. (Currently amended) The method of claim 17, wherein the myogenic promoter comprises SEQ ID No.: 3.
- 42. (Previously presented) The method of claim 17, wherein the 3'UTR comprises SEQ ID No.: 5 or SEO ID No.: 6.

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- 43. (Currently amended) The method of claim 1917, further comprising the step of: electroporating the muscle tissue of the injured muscle after the nucleic acid expression construct has been delivered into the muscle tissue of the injured muscle of the subject.
- 44. (Currently amended) The method of claim 2024, further comprising the step of: electroporating the muscle tissue of the injured muscle after the nucleic acid expression construct has been delivered into the muscle tissue of the injured muscle of the subject.

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